

STATEMENT OF WORK
Underground Outlet (620)
Wyoming

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

DESIGN

Deliverables:

1. Design Surveys
 - a. Profile along centerline of outlet
 - b. Cross-sections off centerline at critical locations, as needed
 - c. Detailed topography at structure locations
 - d. Limiting and controlling water and ground surface elevations
 - e. Soil investigation, as required, to establish corrosion potential or limitations of trenching, etc.
2. Design documents that demonstrate criteria in practice standard have been met and are compatible with planned and applied practices
 - a. Practice purpose(s) as identified in the conservation plan.
 - b. List of required permits to be obtained by the client
 - c. Compliance with NRCS national and state utility safety policy (NEM part 503-Safety, Section 503.00 through 503.06)
 - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Inlet type
 - ii. Hydraulics
 - iii. Structure design
 - iv. Materials
 - v. Outlet capacity and stability
 - vi. Quantity computations
3. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
 - a. Overall plan view
 - b. Location map
 - c. Profile showing grades and location of structure components
 - d. Structural plans and section views as required
 - e. Material requirements
 - f. Installation details
 - g. Table of quantities
4. Operation and maintenance plan
5. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03(b) (2)).
6. Design modifications during installation as required

INSTALLATION

Deliverables

1. Pre-installation conference with client and contractor
2. Verification that client has obtained required permits
3. Staking and layout according to plans and specifications including applicable layout notes
 - a. Centerline alignment stakes with offset grade stakes, as needed
 - b. Structure alignment, layout and reference stakes
4. Installation inspection
 - a. Actual materials used
 - b. Inspection records
5. Facilitate and implement required design modifications with client and original designer
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation
7. Certification that the installation process and materials meets design and permit requirements (NEM Subpart A, 505.03(c) (1)).

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CHECK OUT

Deliverables

1. As-built documentation
 - a. Extent of practice units applied
 - b. Drawings
 - c. Conduit diameters and gage, class, or rating
 - d. Dimensions and elevations of any structures
 - e. Adequacy of backfill
 - f. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits
3. Progress reporting

REFERENCES

- Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Underground Outlet, 620.
- National Engineering Manual
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook